

SECRET

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R 061438Z SEP 63
FM NPIC WASHDC
TO RUEOJFA/DIA (DIAXX-2)
RUEOJFA/JCS (JRC)
RUEFHQA/HQ USAF FOR AFNICAD & AFRDRP
RUCSAAA/SAC (DIR)
RUWMDDA/9 SRW (DCI)

OUT65882

BT

S E C R E T [] CITE NPIC 4530.

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SUBJECT: EVALUATION OF GIANT SCALE MISSION S-044

1. QUALITY SUMMARY: A QUALITY STATEMENT IS NOT GIVEN FOR THIS MISSION BECAUSE OF THE HIGH PERCENTAGE OF CLOUD COVER. GROUND RESOLUTION FIGURES ARE EMPIRICAL ESTIMATES BASED ON EVALUATION OF SIMILAR SENSORS AND IMPLY A BAR AND A SPACE.

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2. ANALYSIS OF TECHNICAL OBJECTIVE CAMERA MATERIAL.

A. COMMENTS APPLICABLE TO BOTH CAMERAS.

(1) MINUS DENSITY STREAKS ASSOCIATED WITH THE PLATEN CONFIGURATION ARE PRESENT THROUGHOUT THE MISSION.

(2) FOG, CAUSED BY STATIC DISCHARGES, CAN BE DETECTED ALONG BOTH EDGES OF THE NEGATIVE.

(3) BANDING IS PRESENT THROUGHOUT THE MISSION.

(4) APPROXIMATELY SEVEN PERCENT OF THE PHOTOGRAPHY WAS ACQUIRED ABOVE 30 DEGREES OBLIQUITY.

(5) APPROXIMATELY 93 PERCENT OF THE PHOTOGRAPHY WAS OBSCURED BY WEATHER, WHICH PRECLUDED AN ANALYSIS OF DENSITY, CONTRAST, OR RESOLUTION.

B. LEFT TECHNICAL OBJECTIVE CAMERA (AL-SN 64-03).

(1) A MINUS DENSITY STREAK, PARALLEL TO THE MAJOR AXIS AND 1.7 INCHES FROM THE TITLED EDGE, IS PRESENT THROUGHOUT THE MISSION.

(2) CAMERA OFF/ONS OCCUR BETWEEN FRAMES 72/73, 173/174, 384/385, 644/645, AND 1001/1002.

(3) EMULSION DIGS 5.1 INCHES FROM THE TITLED EDGE 6. INCHES APART ARE PRESENT THROUGHOUT THE MISSION.

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WITH TEXT

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(4) CLEAR FILM HAS BEEN SPLICED BETWEEN FRAMES 299 AND 300.

(5) THERE IS A BIAS OF 40 BETWEEN THE EVENTS COUNTER AND THE FRAME NUMBER.

(6) THE LAST TITLED FRAME IS 1083.

C. RIGHT TECHNICAL OBJECTIVE CAMERA (AR-SN 64-06).

(1) CAMERA OFF/ONS OCCUR BETWEEN FRAMES 63/64, 194/195, 394/395, 652/653, AND 993/994.

(2) A HEAT SPLICE IS LOCATED BETWEEN FRAME 579/580.

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(3) THERE IS A BIAS OF 5% BETWEEN THE EVENTS COUNTER AND THE FRAME NUMBER.

(4) THE LAST TITLED FRAME IS 1577.

5. ANALYSIS OF THE OPERATIONAL OBJECTIVE CAMERA MATERIAL.

A. COMMENTS APPLICABLE TO BOTH CAMERAS.

(1) IN AREAS UNAFFECTED BY ATMOSPHERICS, THE DENSITY AND CONTRAST IS MEDIUM AND APPEARS SATISFACTORY.

(2) THE TIMING DOTS IMAGED WITH EACH FRAME BEGIN 0.6 INCH AFTER THE START OF SCAN ON THE RIGHT OOC AND 0.3 INCH AFTER THE START OF SCAN ON THE LEFT OOC. THE TIMING DOTS EXTEND 1.0 INCH BEYOND END OF SCAN ON BOTH CAMERAS AND ARE

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IMAGED WITHIN THE FRAME FORMATS.

(3) RAIL SCRATCHES ARE PRESENT THROUGHOUT THE MISSION.

(4) THE DATA CHAMBER IS SKEWED BUT READABLE.

B. LEFT OPERATIONAL OBJECTIVE CAMERA (CL) S/N 4029.

(1) THE EXTENT OF THE USUAL DEGRADATION AT THE START OF SCAN COULD NOT BE ANALYZED BECAUSE OF THE INSUFFICIENT NUMBER OF CLOUD FREE FRAMES. HOWEVER, THE APPARENT OUT OF FOCUS CONDITION IS PRESENT.

(2) MINUS DENSITY DOTS, 1.2 INCHES APART, ARE PRESENT AT THE START OF MISSION.

(3) MYLAR TAPE SPLICES ARE PRESENT BETWEEN THE FOLLOWING FRAMES: 522/523, 1044/1045, AND 1566/1567.

(4) CAMERA OFF/ONS ARE PRESENT BETWEEN THE FOLLOWING FRAMES: 737/738 AND 1634/1635.

(5) THE LAST TITLED FRAME IS 2088.

C. RIGHT OPERATIONAL OBJECTIVE CAMERA (CR), S/N 4010.

(1) THE START OF SCAN IS DEGRADED BY AN APPARENT OUT OF FOCUS CONDITION. THE EXTENT OF THE DEGRADATION IS UNDETERMINED BECAUSE OF CLOUD COVER.

(2) RANDOM MINUS DENSITY STREAKS, PARALLEL TO THE

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MAJOR AXIS OF THE FILM, ARE PRESENT THROUGHOUT THE MISSION.

(3) MYLAR TAPE SPLICES ARE LOCATED BETWEEN THE FOLLOWING FRAMES: 469/470, 522/523, 1044/1045, 1566/1567, AND 1673/1674. AN ULTRASONIC SPLICE IS LOCATED BETWEEN FRAMES 1529/1530.

(4) CAMERA OFF/ONS ARE LOCATED BETWEEN THE FOLLOWING FRAMES: 10/11, 747/748, AND 1641/1642.

(5) THERE IS A BIAS OF 10% BETWEEN THE EVENTS COUNTER AND THE TITLED FRAME NUMBER THROUGHOUT THE MISSION.

(6) THE LAST TITLED FRAME IS 2088.

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END OF MESSAGE